

1. Data Exploration (50 points)

Very thorough EDA. You covered it all.

Score 50 points

2. Data Preparation (50 points)

Good catch with car_age = -3.

Score 50 points

3. Build Models (60 points)

Very nice job. And, well presented.

Score 60 points

4. Select Models (20 points)

OK

Score 20 points

5. EXPLAIN YOUR MODEL (20 Points)

OK

Score 20 points

Scored Data File (50 points)

Score results:

Note, the first table scores the severity or probability portion of your model. It is the average absolute error.

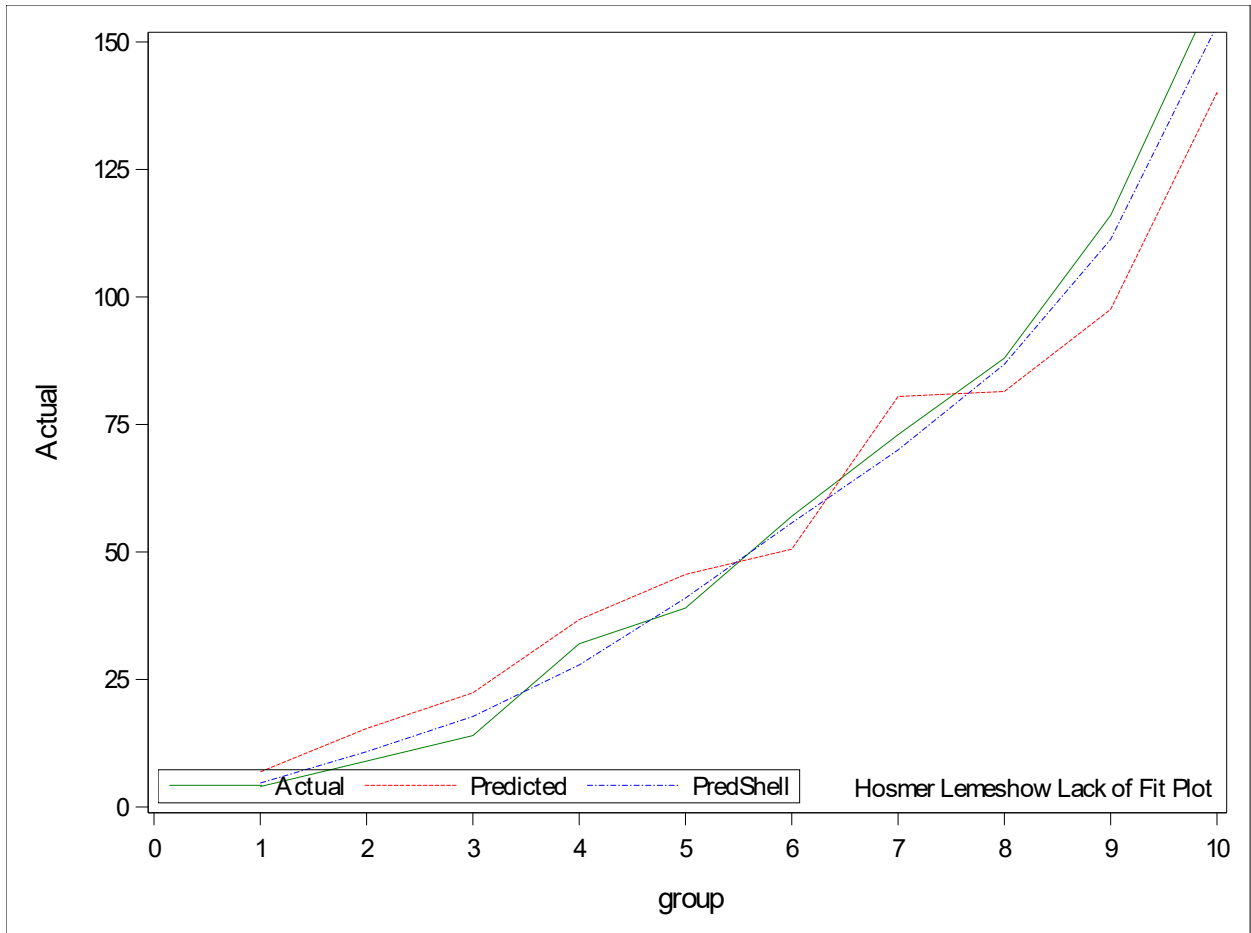
The second table scores the average absolute error for your model using probability times amount paid. It also shows the total amount paid per your model.

The final table compares the predicted total number of events from your model with the actual number of events.

It is important that your model predict closely the total number of events and the total amount paid. Someone will be checking your work to see how well you score on these two items.

Obs	NAME	ERROR
1	Perfect Model	0.00000
2	Shell Solution	0.49654
3	depp_411_hw02	0.52427
4	Average Value Model	0.60693
5	Random Value Model	0.67025
6	Worst Model	1.00000

Obs	NAME	Paid	Error
1	Perfect Model	\$3,292,270	0.0
2	Shell Solution	\$694,940	27.6
3	Average Value Model	\$3,202,465	43.0
4	Random Value Model	\$7,312,683	50.9
5	Worst Model	\$166,543,128	255.9
6	depp_411_hw02	\$214,100,000	313.7



Obs	Actual	Predicted
1	593	296

Score 40 points

Your model should score better than the demo model.

Total paid should be closer to the actual paid. Insurance Companies care about such things and they could be relying on your work to set their budget.

When I round your predictions you are too low for predicting the number of events.

Total Points 240